



SampleCase™

- Easy and Safe Automation at User Height

SampleCase is the first NMR automation solution that provides easy, safe and convenient access to fully-fledged NMR automation at user height. Ensuring simple random access automation without the need for steps or ladders, it also enables manual insertion and ejection of samples with the simple push of a button. The user-friendly system can be fitted to almost any Bruker NMR magnet.

Fully compatible with TopSpin™ and IconNMR™ software, it can be added to any modern NMR instrument equipped with AVANCEIII, AVANCE III HD, or AVANCE NEO technology.

SampleCase Features

- Convenient sample access at user height
- Safe operation
- 24 to 60 easily accessed sample positions
- Cooled 24-sample storage, setpoint control for entire carousel configurable from 4°C to 40°C
- Heated 24-sample storage, setpoint control for carousel configurable from room temperature to 125°C
- Random access for sequential- or batch automation
- Unique manual push-button sample exchange
- Supports all common sample-tubes in spinners or shuttles
- Compatible with MAS and CryoFIT™

SampleCase is a random-access automation system that fits all shielded Bruker standard bore magnets from 300–900 MHz (other magnets upon request). The SampleCase mechanism is derived from Bruker’s well-proven, highly successful automation devices such as SampleXpress™ and SampleJet™.

SampleCase also provides direct access to the BST and thus is compatible with MAS or CryoFIT accessory. The compressed air or nitrogen pressure requirement is standard: 5 bar and 100 normliter/min.

SampleCase is an automation accessory that not only offers safe and convenient sample access on routine NMR systems but is also an excellent choice for high field research instruments.

Choose from an ergonomic sample storage carousel at desk height with 24 or 60 storage positions for almost any type of NMR sample. It’s easy to use with push button operation for sample insert and eject, simple LEDs indicator lights for operational status, and fully integrated software control to TopSpin and IconNMR.

SampleCase heated

SampleCase is now offered in a heated version, specially designed for work in polymer research. The SampleCase heated is capable of keeping up to 24 samples in the queue at temperatures of up to 125° C, thereby keeping polymers liquid and ready for measurement.

SampleCase cooled

SampleCase cooled takes the proven concept of safe and easy NMR automation at user height to the next level. Providing a fridge-cold sample storage platform, it is now possible to also submit temperature sensitive samples like Protein-, RNA- or Biofluid solutions for subsequent automation runs in smaller batches.

SampleCase Plus

Now offered with 60 positions for high throughput labs.



	SampleCase	SampleCase PLUS	SampleCase cooled	SampleCase heated
Capacity	24	60	24	24
Operating Mode	Walk-up, random access at user height			
	Spinners required			
Magnet Compatibility	Bruker shielded: SB magnets up to 1GHz Bruker unshielded: SB magnets up to 900MHz Others on request			
Console Compatibility	AV Neo, AVIII HD, AVIII			
Tube sizes	7", OD: 1 – 10 mm			
Special tubes	Shigemi, 7" LPV-tubes, Shaped tubes			
Temperature Setpoint			4°C to 40°C	Room temp to 125°C
Temperature uniformity			+/-2 °C @ setpoint 279K / 6°C	+/-5 °C @ setpoint 398K /125°C